



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

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[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**ITW Building Components Group, Inc.**

**1950 Marley Drive**

**Haines City, FL 33844**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Alpine HS Truss Plate

**APPROVAL DOCUMENT:** Drawing No. **HSDade**, titled "Alpine HS Truss Plate", sheet 1 of 1, dated 06/21/2001, with last revision dated 08/16/2007, prepared by ITW Building Components Group, Inc, signed and sealed by Stuart L. Lewis, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: None

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **11-0228.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
05/23/2012

NOA No. 12-0306.09  
Expiration Date: May 14, 2016  
Approval Date: May 31, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS *"Submitted under NOA # 07-0525.01"***

1. Drawing No. **HSDade**, titled "Alpine HS Truss Plate", sheet 1 of 1, dated 06/21/2001, with last revision dated 08/16/2007, prepared by ITW Building Components Group, Inc, signed and sealed by Stuart L. Lewis, P.E.

**B. TESTS *"Submitted under NOA # 07-0525.01"***

1. Test reports on Lateral Resistance Test, Tension and Shear Strength Tests per ANSI/TPI 1-2002, along with marked-up drawings and Tensile Test per ASTM E8-04, prepared by PFS Corporation, Report No. **06-54**, dated 07/18/2007, signed and sealed by James A. Rothman, P.E.

**B. CALCULATIONS *"Submitted under NOA # 07-0525.01"***

1. Calculations for Lateral Resistance Values per ANSI/TPI 1-2002, dated 08/16/2007, signed and sealed by Stuart L. Lewis, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**


1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC, issued by ITW Building Components Group, Inc, dated 03/01/2012, signed and sealed by Stuart L. Lewis, P.E.

***"Submitted under NOA # 11-0228.02"***

2. Statement letter of code conformance to 2007 FBC, issued by ITW Building Components Group, Inc, dated 04/21/2011, signed and sealed by Stuart L. Lewis, P.E.

  
05/23/2012

Carlos M. Utrera, P.E.

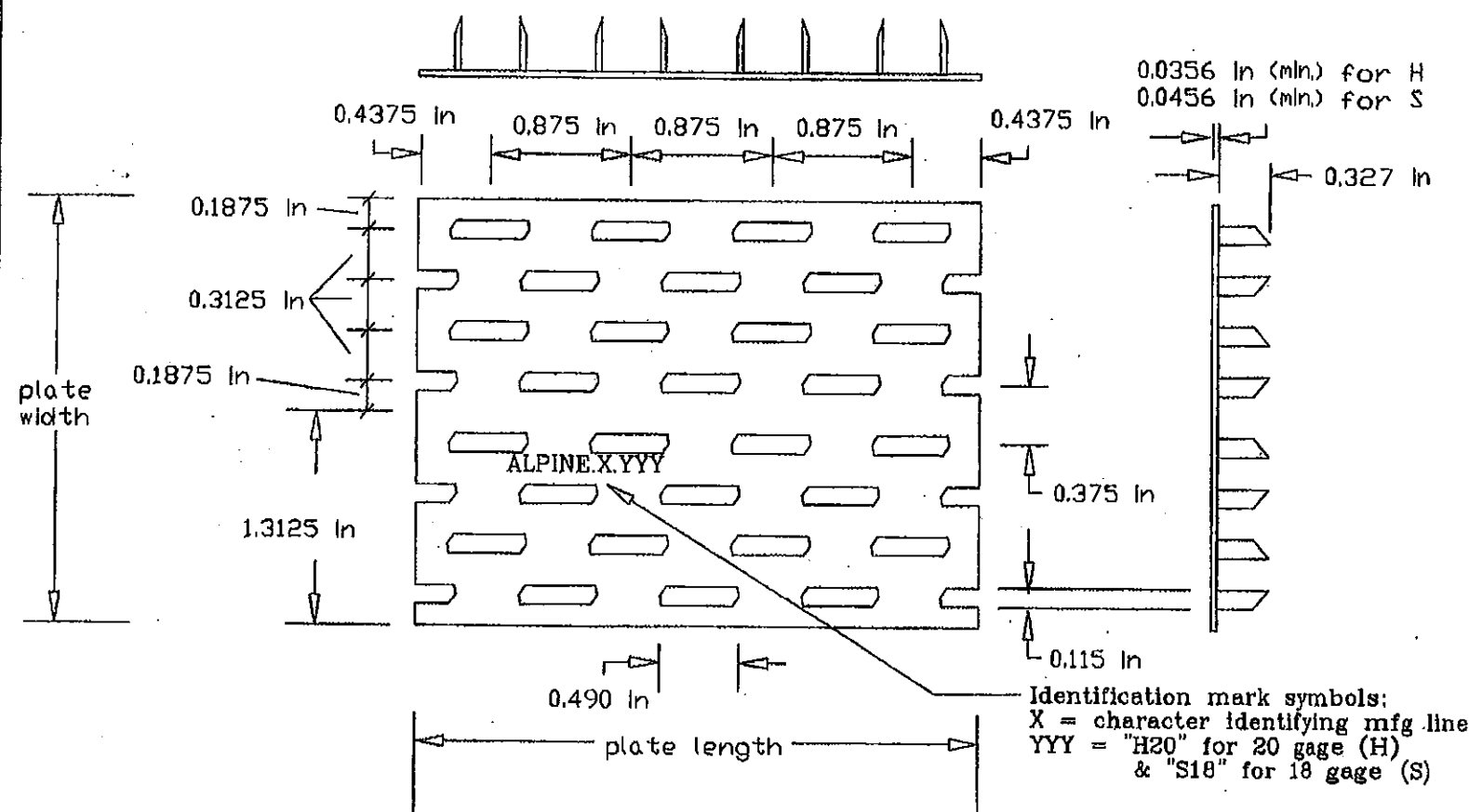
Product Control Examiner

NOA No. 12-0306.09

Expiration Date: May 14, 2016

Approval Date: May 31, 2012

# ALPINE HS TRUSS PLATE



HS plates are available in width increments of 1.3125" and lengths increments of 1.75", with some half-increments available. Sizes are labelled to the next lower whole inch with two numbers used for width followed by two numbers for length, prefaced with H or S for thickness. This drawing shows size H0203 or S0203.

## TRUSS PLATE CHARACTERISTICS

**Thickness:** 0.0356 (20 gage a/k/a H) and 0.0456 inches (18 gage a/k/a S)  
**Steel Grade:** ASTM A653 HSLAS Grade 60 Type B  
**Coating:** G60 per ASTM A653  
**Teeth:** 7 Teeth/sq. in.  
**Size:** Increments of 1.3125" width and 0.875" length  
**Other:** Slots are 0.115 in wide x 0.49 in long aligned parallel to the plate length and spaced 0.3125 in o.c. across the width of the plate and 0.875 in o.c. along the length of the plate. Adjacent slots are staggered 0.4375 inches along the length of the plate from each other. Slots are grouped in sets of four, as shown above.

## LATERAL RESISTANCE

Allowable Loads in lb/sq.in. of plate.

Species	Direction of Grain & Load with Respect to Length of Plate			
	AA	EA	AE	EE
Doug. Fir-Larch & Southern Pine	226	147	117	162
Spruce-Pine-Fir & Hem-Fir	178	118	93	128

Notes: 1. Design values are based on 0.4375" end distance and 0" edge distance.  
 2. Standard values apply to hydraulic, pneumatic and multiple pass roller presses.  
 3. Roller values applying to single pass roller presses with 18" or greater diameter rollers shall use the following percentages of the above values:  
 Qr = 86.5% for SPF/HP, 73.4% for DFL/SP.

## SHEAR LOAD EFFICIENCY

Direction of Load With Respect to Length of Plate	Shear Resistance Effectiveness Ratio
0 degrees	49.7%
30 degrees	60.2%
60 degrees	71.9%
90 degrees	43.1%
120 degrees	49.0%
150 degrees	42.0%

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 12-0306.09  
 Expiration Date 05/14/2016  
 By *[Signature]*  
 Miami Dade Product Control

## TENSION LOAD EFFICIENCY

Parallel	Perpendicular
69.9%	27.6%

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 11-0228.02  
 Expiration Date 05/14/2016  
 By *[Signature]*  
 Miami Dade Product Control

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 07-0525.01  
 Expiration Date 05/14/2016  
 By *[Signature]*  
 Miami Dade Product Control Division

**MANUFACTURER:** ITW Building Components Group Inc.  
 1950 Marley Dr.  
 Haines City, FL 33844  
 (ph# 889-422-8885)

**TITLE:** Alpine HS Truss Plate

**DRAWING NUMBER:** HSDade **DRAWING DATE:** 08/21/01

**SHEET NUMBER:** 1 **REVISION DATE:** 08/16/07

**FL-ENG:** Stuart L. Lewis, P.E. Number 45927

*Stuart L. Lewis*  
8/17/07